



## **RAW SEQUENCE LISTING ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/624,201  
Source: O/PF  
Date Processed by STIC: 8/1/2003

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

- 1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

**FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.**

**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:**

**<http://www.uspto.gov/web/offices/pac/checker>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

**Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:**

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
Or  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 04/24/2003



RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/624,201

DATE: 08/01/2003  
TIME: 14:26:58

Input Set : A:\Is1711.app  
Output Set: N:\CRF4\08012003\J624201.raw

3 <110> APPLICANT: Hannapel, David J.  
4 Chen, Hao  
5 Rosin, Faye M.  
7 <120> TITLE OF INVENTION: POTATO TRANSCRIPTION FACTORS, METHODS OF USE THEREOF,  
8 AND A METHOD FOR ENHANCING TUBER DEVELOPMENT  
10 <130> FILE REFERENCE: 82162/171  
12 <140> CURRENT APPLICATION NUMBER: US/10/624,201  
13 <141> CURRENT FILING DATE: 2003-07-21  
15 <150> PRIOR APPLICATION NUMBER: 60/397,423  
16 <151> PRIOR FILING DATE: 2002-07-19  
18 <160> NUMBER OF SEQ ID NOS: 28  
20 <170> SOFTWARE: PatentIn Ver. 2.1

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## ERRORED SEQUENCES

522 <210> SEQ ID NO: 7  
523 <211> LENGTH: 2103  
524 <212> TYPE: DNA  
525 <213> ORGANISM: Solanum tuberosum  
527 <400> SEQUENCE: 7

E--> 528 aacccaaaaa agagatcgaa ttcggcacgaa gtgatcatgg tccttcgtct tctaaagaaca 60 *see p. 2, also* Does Not Comply  
529 ttatffgtga acaattttac caacatggta gtcataaaaa tatgttgaca acaacaacta 120 *err*  
530 ctcatcatga tgatcatcaa ggctcggtgc atcacgataa taacagaaca ttacttgg 180 *Explanation*  
531 atgatccatc tatgagatgt gtttccctt gtgaaggaaa taaaaggcca agtcatggac 240  
532 tttcattatc tctttgtcc tcaaattccat caagtattgg tttacaatct tttgaactta 300  
533 gacatcaaga tttgcaacaa ggattaatac atgatggatt tttggtaaaa tctacaataa 360  
534 tacaacaagg gtattttcat catcatcatc aagttaggaa ctcgaaatata tttagtccgg 420  
535 ctcaagagtt gctcagttagt ttctgttagtc tcgaaataaa gaagaataat gatcatttt 480  
536 cttcaaaaagt acttctaaag caacatgaga gtactgttag tacttcaaaa aagcaacttt 540  
537 tacagtctct tgaccttttga aacttcaaaa aaagaaagac aaaattgttt caaatgttt 600  
538 aagagggtgg tagaaggtac aagcattatt gtgatcaaataa gaaggctgtt gtatcatcat 660  
539 ttgaaggatgg ggctggaaat ggagcagcaaa cagtttactc agccttagca tcaaggctaa 720  
540 tgcgtcaaggca ttttagatgt ttaagagatgt gaattgtggc acaaattaag gccacaaaa 780  
541 tggctatggg agaaaaaagac agtacttagta ctcttattcc tggttcaaca agaggtaaaa 840  
542 caccaagact cagacttctt gatcaaactt taaggcaaca aaaggctttc caacagatga 900  
543 atatgatgg aactcatcca tggagaccgc aacgtgtct cccagaaaaga tcagtctccg 960  
544 ttctccgcgc ttggctttttaa gaacactttc ttccacccgtt cccaaagtgtt gttgataaac 1020  
545 acattttagc tcgccaaact ggtcttcaa gaagccaggt gtctaatgg ttctttaatg 1080  
546 caagggttaag gctatggaaag ccaatggtgg aagaaatgtt ctttagaaagaa aaaaaagaag 1140  
547 aagaaaatgtt tggatctcca gatggatcaa aagccataat tgatgacatg acaattcatc 1200  
548 aatcacacat tgatcatcat caagctgatc aaaagccaaa tcttggtaaga attgactctg 1260  
549 aatgcataatc ttccatcatcata aatcatcaac ctcatgagaa aatgtatcaa aactatggag 1320

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550 taatttagagg tggagatcaa tcgttggcg cgattgagct agattttca acaaatattq 1380  
 551 cttatggta tagtgggtt gaccatcatc atcatggagg ggggtttct ttaacattgg 1440  
 552 gattacaaca acatgggtga agtgggtggat catcaatggg gttactaca ttttcatcac 1500  
 553 aaccatctca taatcaaagt tcactttttt atccaagaga tgatgatcaa gttcaatatt 1560  
 554 catcactttt ggatagtgaa aatcagaatt tgccatata gaaaccttgat gggggcaca 1620  
 555 cttcttcatg atttggctgg taaaaaaatg acagagattc ttcattttg accttattat 1680  
 556 atactcta atttatataat atttggtgatg aatgatgata aaaaaaaaaa aaaaaaaaaa 1740  
 E--> 557 aaaaaaaaaa aaaaaaaaaa acctcgatcc cggtcgactt taaaacccctt tagtgagtcg 1800  
 E--> 558 tntttatgtca nnnatcttttgg aatcgtaat nttggaaaaac cccgcgaatgg cacttcaact 1860  
 E--> 559 glycatacgg cttccatotca atttcttca tttatccatc gttttgcctt nttttatgtt 1920  
 E--> 560 actattnatcc tnttaagtttcc aatcttggcc atgttaacccm tgatctttaa aattttttaa 1980  
 E--> 561 atgacttataa ttaatgeccca tttttttttt ggaccttaat ttttcatgaa aattnattncc 2040  
 E--> 562 nagggtttttt tcaaaaatttt tggacttntt tttccanaggt ttggtcaagt nttccatcaa 2100  
 563 ggt  
 2103

849 <210> SEQ ID NO: 11

850 <211> LENGTH: 2128

851 <212> TYPE: DNA

852 <213> ORGANISM: *Solanum tuberosum*

854 <400> SEQUENCE: 11

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856	gcgcgtgagc	ttgtttcttc	gccttcgggt	tcggcttcag	cttcaggggat	acaacaacaa	120
857	caacagaac	aacagagtat	tagtagtgt	ccttttgagg	ctaagtacat	gaaggctgc	180
858	caagagctac	tttatgtgaagt	tgtaaatgtt	ggaaaatcaa	tgaaaagtag	taatagtact	240
859	gatgttgtt	ttataatgaa	tgtcaagaaa	tcgaagaata	ttggcgatata	ggacggacag	300
860	ttagacggag	ttggagcaga	caaagacgga	gctccaacaa	ctgagctaag	tacaggggag	360
861	agacaagaaa	ttcaaatgaa	gaaagcaaaa	cttggtaaca	tgcttgacga	ggttggagcg	420
862	aggtatagac	attatcatca	ccaaatgcag	tcatgtatac	attggttaga	gcaagctgt	480
863	ggcattggat	cagcaaaaac	atatacagca	ttggctttgc	agacgatttc	gaagcaattt	540
864	agggtctta	aggacgcgt	aattggtcaa	atacgatcag	caagccagac	gtttagcgaa	600
865	gaagatagtt	ttggagggaa	gattgaaggt	tcaaggctta	aatttggta	taatcagcta	660
866	agacagcaaa	gggctttgca	acaattggga	atgatccagc	ataatgttt	gagacctcg	720
867	agaggattgc	ccgaacgcgc	tgtttctgtt	cttcgcgcct	ggcttttga	acatttcctc	780
868	catccttatac	ccaaggattc	agacaaaatg	atgttagcaa	aacaaaacagg	actaactagg	840
869	agtcaagggt	cgaattggtt	catcaatgtc	cgagttcgct	tttggaaagcc	aatggtgaa	900
870	gagatgtact	ttggaaagagat	aaaagaacac	gaacagaatg	ggttgggtca	agaaaagacg	960
871	agccaaattag	gtgaacagaa	cgaagattca	acaacatcaa	gatccatgc	tacacaagac	1020
872	aaaagccctg	gttcagatag	ccaaaacaag	agttttgtct	caaaaacagga	caatcatttgc	1080
873	cctcaacacaca	accctgcctc	accaatgccc	gatgtccaaac	gccacttcca	tacccctatc	1140
874	ggtatgacca	tccgtaatca	gtctgctgg	ttcaacctca	ttggatcacc	agagatcgaa	1200
875	agcatcaaca	ttactcaagg	gagtccaaag	aaaccggagga	acaacgcgat	gttgcattca	1260
876	ccaaacagca	ttccatccat	caacatggat	gtaaaggctta	acgaggaaaca	aatgtcgatg	1320
877	aagtttggtg	atgataggca	ggacagagat	ggattctcag	taatgggagg	accgtatgaac	1380
878	ttcatgggag	gattcggagc	ctatccatt	ggagaaaattg	ctcggttag	caccgagcaa	1440
879	ttctcagcac	catactcaac	cagtggcaca	gttcaactca	ctttggctc	accacataac	1500
880	gaaaacctct	caatgtctgc	aacacaccac	agtttccttc	caattccaaac	acaaaacatc	1560
881	caaattggaa	gtgaacccaa	tcatgagttt	ggtagcttaa	acacaccaac	atcaagctcac	1620
882	tcaacatcaa	gcgtctatga	aaccttcaac	attcagaaca	gaaagaggtt	cgccgcaccc	1680
883	ttgttaccag	atttttgtgc	ctgatcaca	aaacaaaaac	aggtttggc	aacagacaaa	1740
884	cttctgtcgc	taaaaacaaqqa	catqatttag	cgacagataa	cttcagtcgc	taacttagcg	1800

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PATENT APPLICATION: US/10/624,201

DATE: 08/01/2003  
TIME: 14:26:58

Input Set : A:\Is1711.app  
Output Set: N:\CRF4\08012003\J624201.raw

885 actgaaaact tctgtcgcta agcatgaaca tgtattagcg acatacagta tgcaactgta 1860  
886 tgtcactaaa caagaacatg atgaattagt gacggacaac ttctgtcgct aaacaacaaa 1920  
887 aaaaaaatcca tggtttagta tattgtttct cattctatca tattcatggta gtgtaaagaa 1980  
888 tcaagaaaaca agtttacat agtaacagtc ttatatacatt ggagatgaag aaccattaa 2040  
E--> 889 gttttcaaa atagatagat ttcttaggtt acttctaaaa gatatatata tggttgaggg 2100  
890 ttgtatatt aaaaaaaaaa aaaaaaaaaa 2128

P.4

VARIABLE LOCATION SUMMARY  
PATENT APPLICATION: US/10/624,201

DATE: 08/01/2003  
TIME: 14:26:59

error explanation Input Set : A:\Is1711.app  
Output Set: N:\CRF4\08012003\J624201.raw

Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of <220> to <223> is MANDATORY if n's or Xaa's are present.

in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:7; N Pos. 5,1768,1780,1783,1785,1794,1802,1805,1811,1813,1818,1831

Seq#:7; N Pos. 1862,1869,1872,1896,1911,1926,1932,1960,1967,1988,2002,2022

Seq#:7; N Pos. 2034,2036,2039,2041,2049,2057,2068,2072,2076,2091

Seq#:11; N Pos. 2078

**VERIFICATION SUMMARY****PATENT APPLICATION: US/10/624,201****DATE: 08/01/2003****TIME: 14:26:59****Input Set : A:\Is1711.app****Output Set: N:\CRF4\08012003\J624201.raw****L:12 M:270 C: Current Application Number differs, Replaced Application Number****L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date****L:528 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:7****M:340 Repeated in SeqNo=7****L:889 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:11**